Canadian Model AEP Model E Model



'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories. Noise reduction system manufactured under license from Dolby Laboratories.

STEREO CASSETTE DECK

SPECIFICATIONS

GENERAL

Power Requirements:

120 V ac, 60 Hz (Canadian model)

220 V ac, 50/60 Hz

(240 V ac adjustable by authorized Sony

personnel) (AEP model) 110, 120, 220 or 240 V ac adjustable, 50/60 Hz (E model)

Power Consumption:

26W Dimensions:

Approx. 430 (w) x 130 (h) x 295 (d) mm

17 (w) $\times 5^{1}/_{8}$ (h) $\times 11^{5}/_{8}$ (d) inches

including projecting parts and controls

Approx. 5.7 kg, 12 lb 10 oz Weight:

WITH SONY PARTS WHOSE PART NUMBERS APPEAR

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET

TAPE RECORDER SECTION

Recording System: Fast-forward and Rewind Time: Frequency Response:

4-track 2-channel stereo

Approx. 80 sec. (with C-60 cassette)

DOLBY NR OFF Canadian model

 With TYPE IV cassette (Sony METALLIC) 20-19,000 Hz

30-17,000 Hz (±3 dB)

30-13,000 Hz (±3 dB, 0 VU recording) • With TYPE III cassette (Sony Fe-Cr)

20-19.000 Hz 30-17,000 Hz (±3 dB)

• With TYPE II cassette (Sony EHF) 20-18,000 Hz

30-16,000 Hz (±3 dB)

 With TYPE I cassette (Sony HFX) 20-17,000 Hz

- Continued on next page -

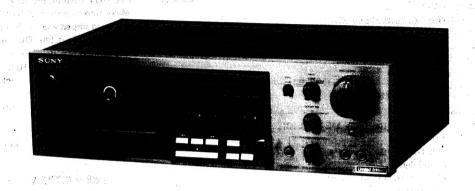
Tape Transport Mechanism Type

TCM-100V14



TC-K61 Limited Edition

Canadian Model AEP Model E Model



'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories. Noise reduction system manufactured under license from Dolby Laboratories.

STEREO CASSETTE DECK

SPECIFICATIONS

GENERAL

Power Requirements:

120 V ac, 60 Hz (Canadian model)

REMARKS TO WAS INCOME.

220 V ac, 50/60 Hz

(240 V ac adjustable by authorized Sony

personnel) (AEP model) 110, 120, 220 or 240 V ac adjustable, 50/60 Hz (E model)

Power Consumption:

26W

Dimensions: Approx.

Approx. 430 (w) x 130 (h) x 295 (d) mm

17 (w) \times 5¹/₈ (h) \times 11⁵/₈ (d) inches including projecting parts and controls

Weight: Approx. 5.7 kg, 12 lb 10 oz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK

\(\int \) ON THE SCHEMATIC DIAGRAMS, EXPLODED

VIEWS AND IN THE PARTS LIST ARE CRITICAL TO

SAFE OPERATION. REPLACE THESE COMPONENTS

WITH SONY PARTS WHOSE PART NUMBERS APPEAR

AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS

PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE À SUR LES DIAGRAMMES SCHÉMATIQUES, LES VUES EXPLOSÉES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NÉ REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

TAPE RECORDER SECTION

Recording System:
Fast-forward and
Rewind Time:
Frequency Response:

4-track 2-channel stereo

Approx. 80 sec. (with C-60 cassette)

DOLBY NR OFF Canadian model

 With TYPE IV cassette (Sony METALLIC) 20–19,000 Hz

30-17,000 Hz (±3 dB)

30-13,000 Hz (±3 dB, 0 VU recording)

• With TYPE III cassette (Sony Fe-Cr)

20-19,000 Hz

30-17,000 Hz (±3 dB)

• With TYPE II cassette (Sony EHF)

20-18,000 Hz

30-16,000 Hz (±3 dB)

With TYPE I cassette (Sony HFX)

20-17,000 Hz

- Continued on next page -

Tape Transport Mechanism Type

TCM-100V14



IC-K61 Limited Edition

AEP, E model With TYPE IV cassette (Sony METALLIC) 20-19,000 Hz 30-17,000 Hz (±3 dB)

30-13,000 Hz (±3 dB, 0 VU recording)

30-17,000 Hz (DIN)

With TYPE III cassette (Sony Fe-Cr)

20-19,000 Hz 30-17,000 Hz (±3 dB) 30-17,000 Hz (DIN)

With TYPE II cassette (Sony CD-α)

20-18,000 Hz 30-16.000 Hz (±3 dB) 30-16,000 Hz (DIN)

• With TYPE I cassette (Sony BHF)

20-17,000 Hz 30-15,000 Hz (DIN)

0.035% WRMS (Canadian model) Wow and Flutter:

0.035% WRMS (NAB) } (AEP, E model)

±0.1% (DIN) S/N Ratio:

DOLBY NR OFF

Canadian model • With TYPE IV cassette (Sony METALLIC) 59 dB at peak level

• With TYPE III cassette (Sony Fe-Cr)

59 dB at peak level

• With TYPE II cassette (Sony EHF) 57 dB at peak level

AEP, E model With TYPE IV cassette (Sony METALLIC)

59 dB at peak level (NAB)

56 dB (DIN)

With TYPE III cassette (Sony Fe-Cr)

59 dB at peak level (NAB)

56 dB (DIN)

With TYPE II cassette (Sony CD-α)

57 dB at peak level (NAB)

DOLBY NR ON

Improved by 5 dB at 1 kHz, 10 dB above 5 kHz

Total Harmonic

1.0% (with Sony METALLIC and Fe-Cr cassettes) Distortion:

Record

105 kHz Bias Frequency:

> MIC (two phone jacks) Inputs:

sensitivity 0.25mV (-70 dB) for a low-impedance microphone LINE IN (two phono jacks) sensitivity 77.5 mV (-20 dB) input impedance 50 kΩ

REC/PB (connector) . . . (AEP, E model)

input impedance less than 10 k Ω

LINE OUT (two phono jacks)

Maximum output level 0.435 V (-5 dB)

at a load impedance of 50 k Ω

with PHONES/LINE OUT level control at "0" Variable in five steps from -5 dB to -29 dB

Load impedance over 10 kΩ HEADPHONES (binaural jack)

Output level variable in five steps from -20 dB to -44 dB at a load impedance

of 8Ω

REC/PB (connector) . . . (AEP, E model) output impedance less than 10 $k\,\Omega$

0 dB = 0.775 V

LED Peak

Program Meters:

Response range: -40 dB to +8 dB

Frequency response: 20 -20,000 Hz ±1.5 dB

Response time: 1 millisecond

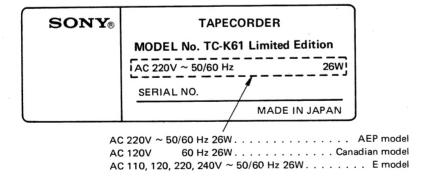
Decay time (from 0 dB to -20 dB): 750 milliseconds

Overshoot: None

Indicator elements: 16 elements for each channel

MODEL IDENTIFICATION

- Specification Label -



SERVICING NOTE

When the top cover is removed the internal photo transistor may pick up stray light and shut the set off.

Handling Precautions for MOS ICs

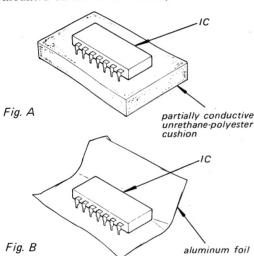
Generally, the insulation resistance of the oxide layer in MOS IC structures is very high, and the oxide layer is very thin. Because of this, it is possible that the static voltages usually present on clothes and the human body will be enough to generate a potential difference across the insulator, high enough to cause a breakdown of the insulating layer.

The following precautions should be taken while handling these ICs.

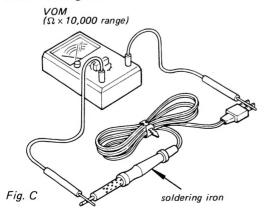
(Particular care should be taken under conditions of low humidity.)

Precautions in Replacing MOS ICs

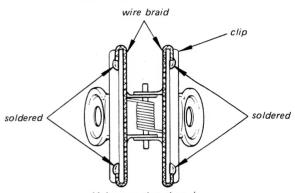
- Store new ICs by inserting them into a urethanepolyester cushion (which is somewhat conductive), or wrapping it in aluminum foil, so that all the pins are at the same potential.
 - (The ICs should be stored in that manner until mounted on the circuit board.)



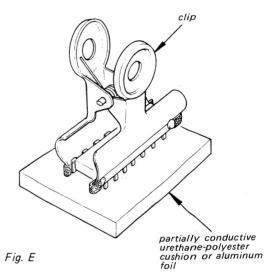
2. Check the soldering iron for possible power-line leakage current. Make sure that there is no leakage path by connecting an ohmmeter to the tip of the soldering iron and the plug as shown in Fig. C. If there is a leakage path, use some other soldering iron.

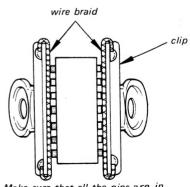


- Equalize any potential difference between the clothes, the tools in use, the work bench, the set being worked on, and the packaged IC by touching them all in succession with the hands or a conductive wire or tool.
- The following are effective methods for handling ICs that remove the potential difference across the oxide layer.
 - Use a paper clip modified by soldering in a wire braid insert.



Make sure that there is Fig. D no solder on the inside.

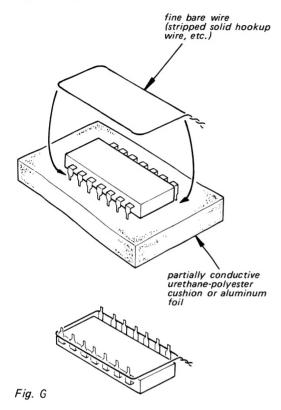




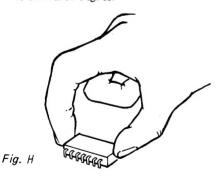
Make sure that all the pins are in contact with the wire braid (all the pins will then be at the same potential.).

Fig. F

• Take a short length of fine bare wire and wind it around the IC so that it shorts all the pins of the IC, while it is still in the urethane-polyester cushion or aluminum foil. This ensures that all the pins are at the same potential.



• When it is necessary to handle the IC with the fingers, do not touch any pin, and hold the IC at the ends of its plastic-package case as shown in Fig. H.



5. Method of Mounting

Insert the IC while holding it with the modified clip, and solder all the pins with the clip still shorting the pins. (Similarly, solder all the pins while the bare shorting wire is still wound around them.). Remove the clip or the bare shorting wire only after all the pins have been soldered.

Precaution while Checking C-MOS ICs

The C-MOS ICs (Complementary MOS) are MOS ICs that have their output sections made up of N-channel and P-channel push-pull stages to increase their speed of operation. If the output terminal of these ICs comes into contact with B+ or B- voltage, then the FET which is ON at that time will either become shorted or open.

This is valid for all the output sections that are connected together by the interconnections. Even the circuits that are physically separated (and not on the same board) can be destroyed simultaneously.

Example:

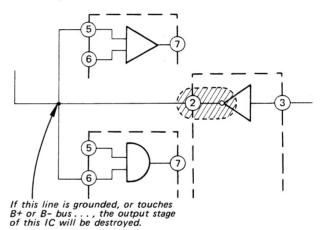
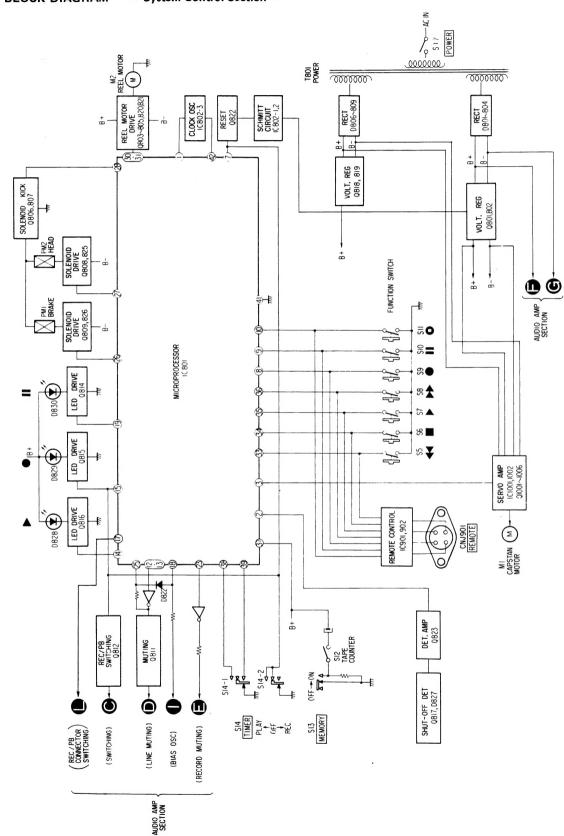
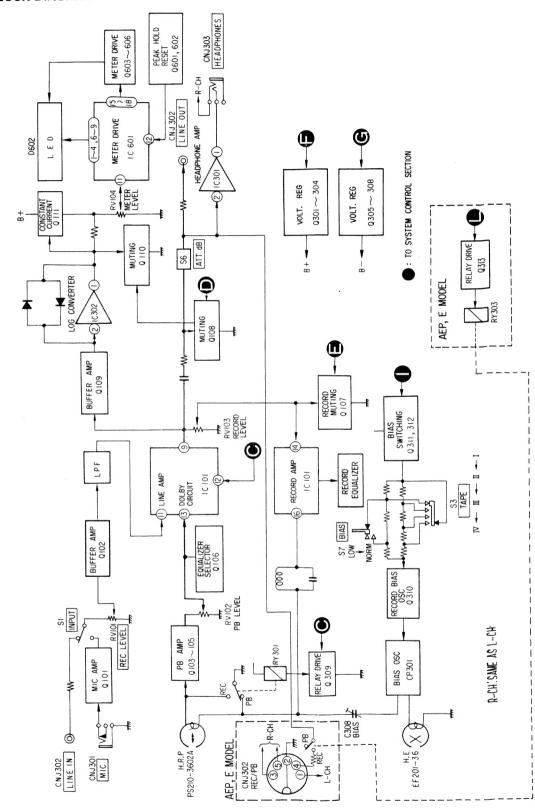


Fig. 1

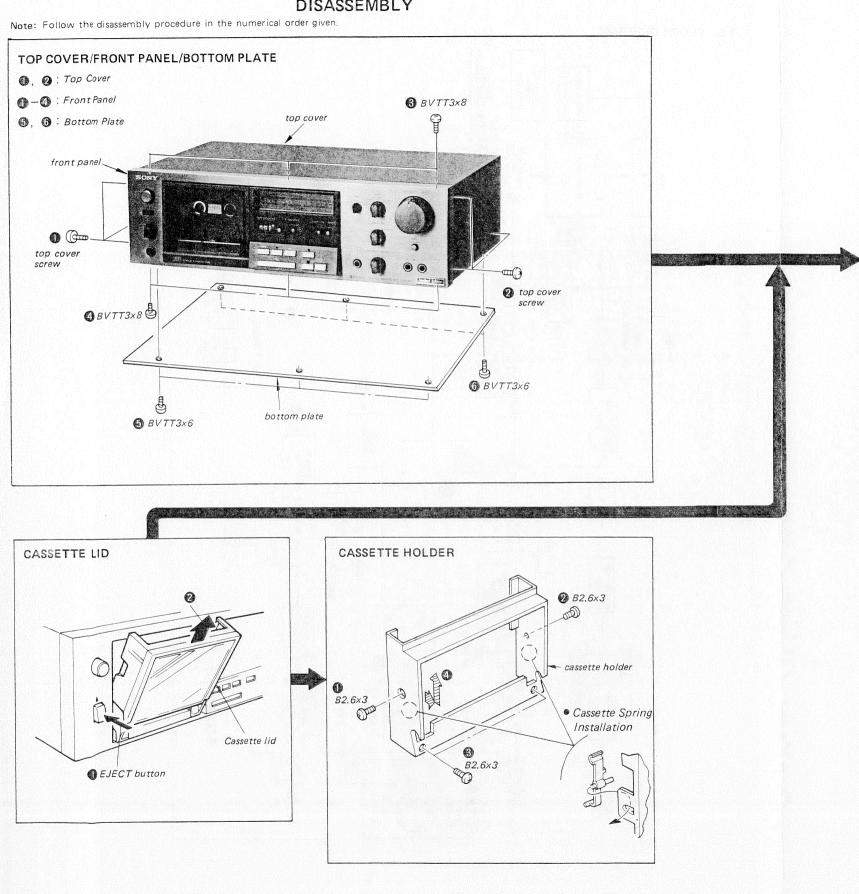
1-1. BLOCK DIAGRAM - System Control Section -

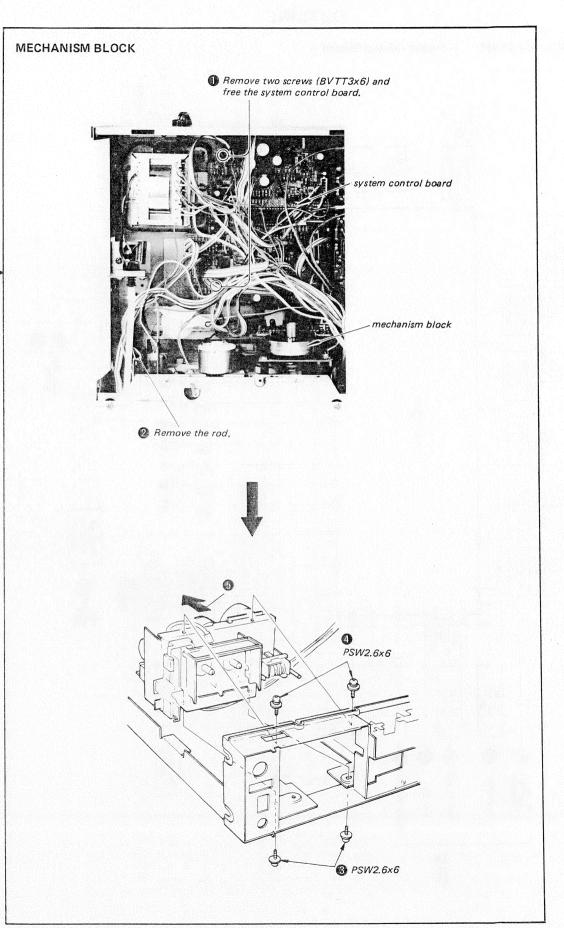


1-2. BLOCK DIAGRAM



SECTION 2 DISASSEMBLY





SECTION 3 ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denaturedalcohol-moistened swab:

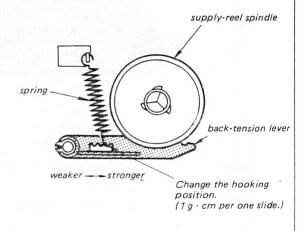
record/playback head pinch roller erase head rubber belts capstan idlers

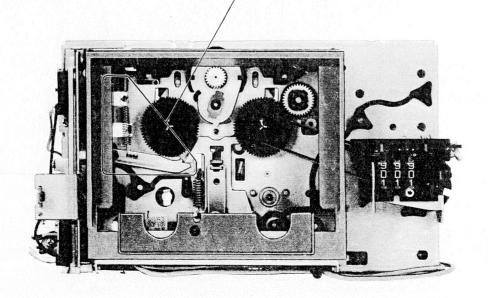
- 2. Demagnetize the record/playback head with a head demagnetizer.
- 3. Do not use a magnetized screwdriver for the adjustments.
- 4. After the adjustments, apply suitable locking compound to the parts adjusted.
- The adjustments should be performed with the rated power supply voltage unless otherwise noted.

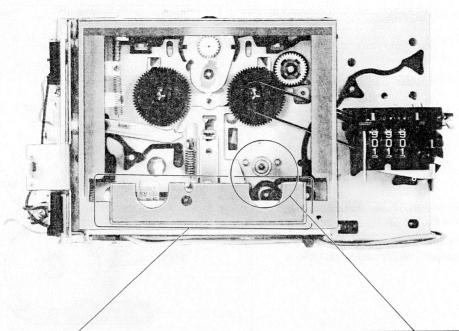
Torque Measurement and Back Tension Torque Adjustment

١. ا	Torque	Torque meter	Meter reading
	Forward	CQ-102C	28-50 g · cm (0.39-0.69 oz · inch)
	Back tension	CQ-102C	$2.5-5 \text{ g} \cdot \text{cm}$ (0.04-0.06 oz · inch)

2. If the specified back-tension torque is not obtained, change the hooking position.

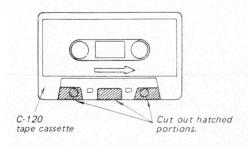




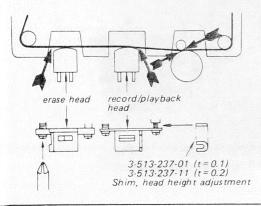


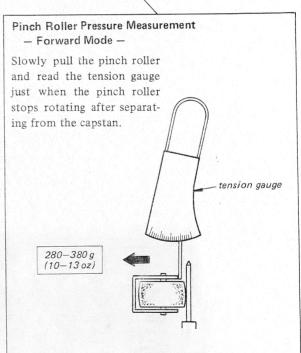
Head Height Adjustment

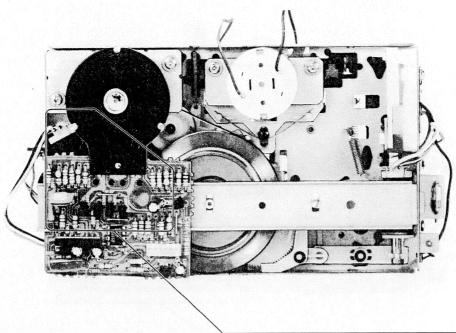
1. Prepare an adjustment cassette as shown below.

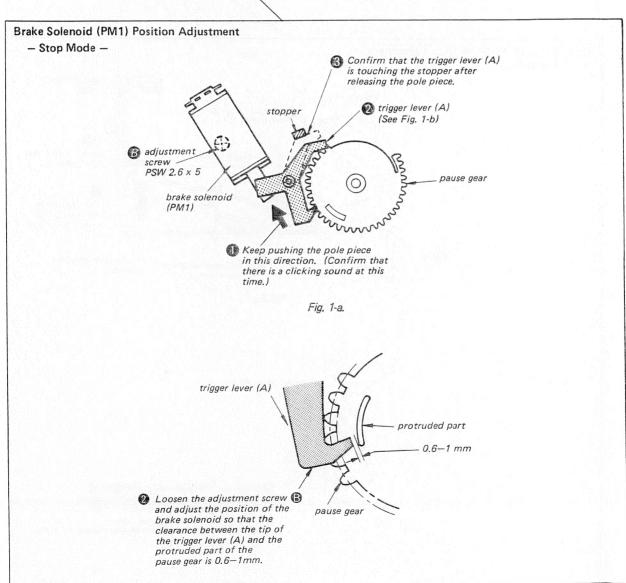


2. In playback mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at portions shown by arrow.

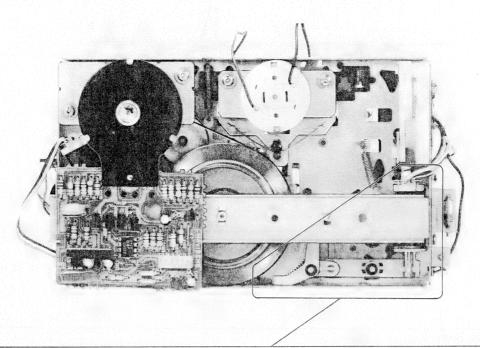


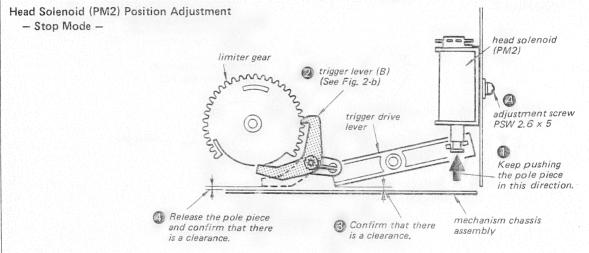




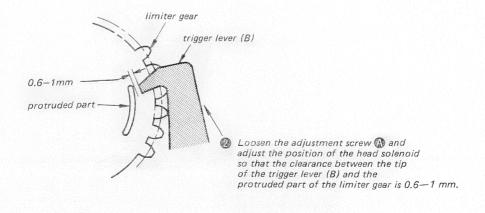


TC-K61 Limited Edition









3-2. ELECTRICAL ADJUSTMENTS

Note: The adjustment should be performed in the order given in this service manual. The adjustments should be performed for both L-CH and R-CH.

• Set the BIAS and EQ switches according to the tape as follows.

BIAS switch	EQ switch
NORM	TYPE 1
NORM	TYPE II
NORM	ТҮРЕ Ш
NORM	TYPE IV
	NORM NORM NORM

• Switches and controls should be set as follows unless otherwise specified.

DOLBY NR switch:

OFF

EQ switch:

TYPE I

BIAS switch:

NORM

REC MUTE switch:

OFF OFF

Timer switch:
LINE OUT control:

"0"

• Standard Record:

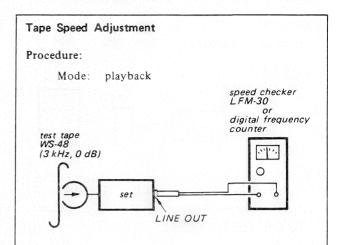
Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

Standard Input Level

	MIC	LINE IN	REC/PB (AEP, E model)
source impedance	300 Ω	10 kΩ	100 kΩ
input level	0.77 mV (-60 dB)	0.25 V (-10 dB)	17 mV (-33 dB)

Standard Output Level

	LINE OUT	HEAD- PHONES	REC/PB (AEP, E model)		
load impedance	47 kΩ	8Ω	50 kΩ		
output level	0.44 V (-5 dB)	39 mV (-26 dB)	0.44 V (-5 dB)		



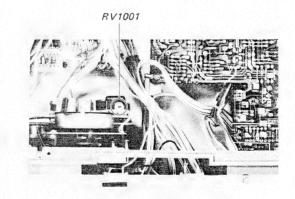
Specification:

Speed checker	Digital frequency counter
-0.3 to +0.3%	2990 – 3010 Hz

Frequency difference between the beginning and the end of the tape should be within 0.7% (20 Hz).

Adjustment Location:

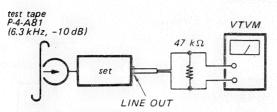
- servo amp board -



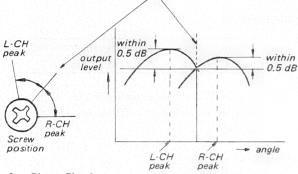
Record/playback Head Azimuth Adjustment

Procedure:

1. Mode: playback



2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 0.5 dB.



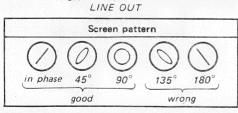
3. Phase Check

Mode: playback

test tape
P.4-A81
(6.3 kHz, -10 dB)

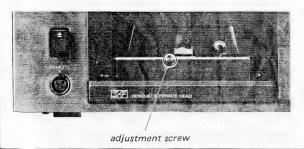
Set

47 k\Omega
V + H
Omega
Oscilloscope



Adjustment Location:

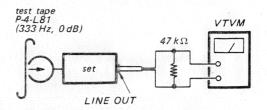
R-CH



Playback Level Adjustment

Procedure:

Mode: Playback



Adjust RV102 (L-CH) and RV202 (R-CH) to obtain the specified LINE OUT level.

Specification:

LINE OUT level: 0.52 - 0.59 V

(-3.5 to -2.5 dB)

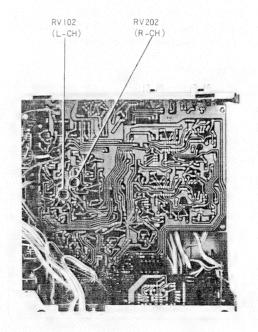
Level difference between channels:

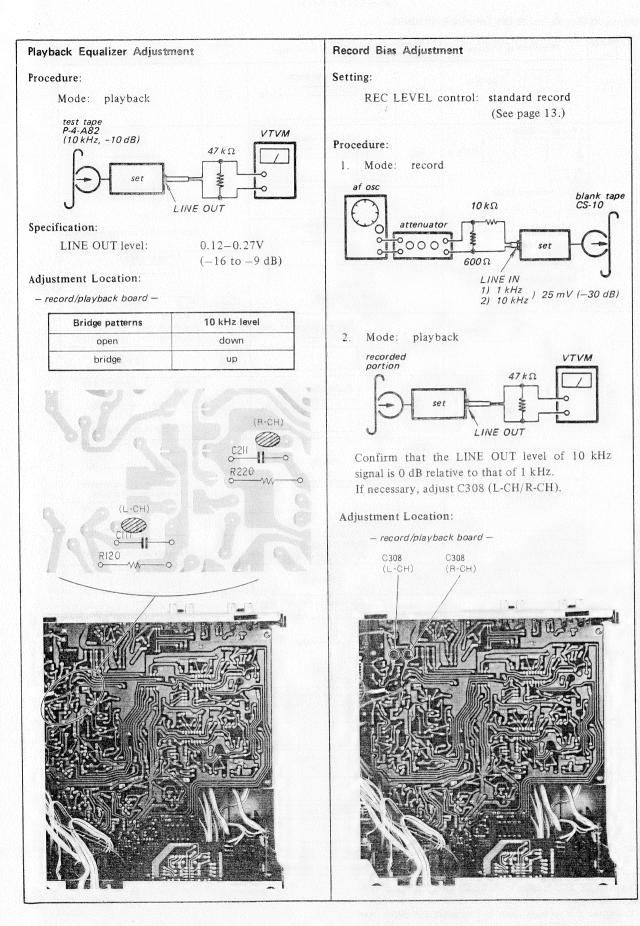
less than 0.5 dB

Check that the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

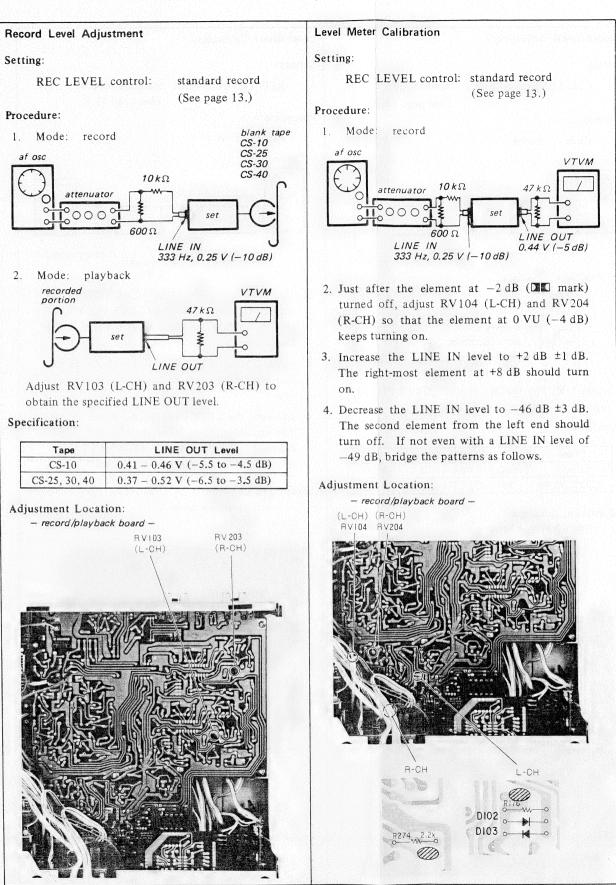
Adjustment Location:

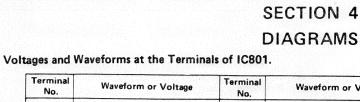
- record/playback board -

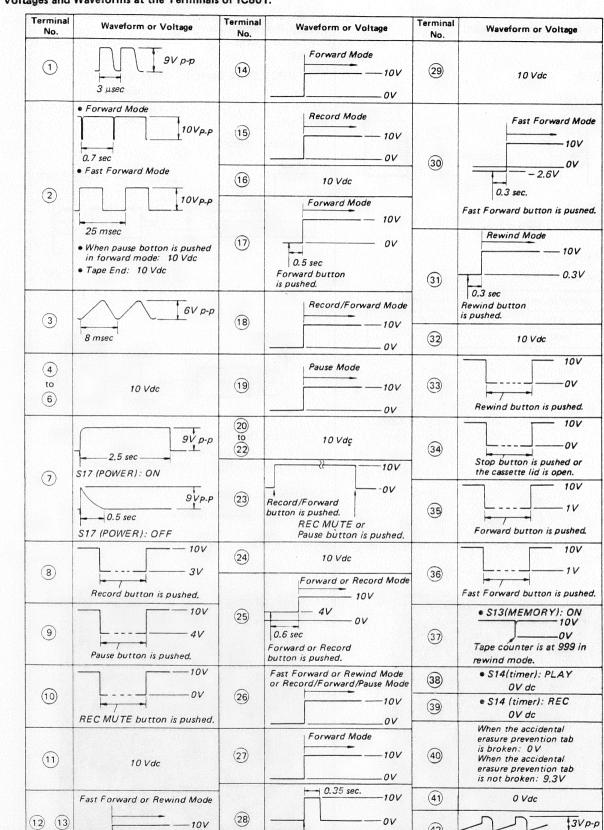












Forward or Fast Forward or Rewind button is pushed.

The voltages in this chart is measured with a $10M\Omega$ oscilloscope w/probe.

(Therefore, the voltages given in this chart will differ from those given in the schematic or mounting diagram which are measured with a VOM.)



Setting:

REC LEVEL control:

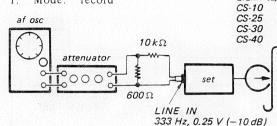
standard record

blank tape

(See page 13.)

Procedure:

1. Mode: record



2. Mode: playback recorded VTVM

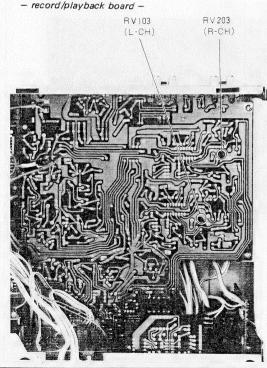
Adjust RV103 (L-CH) and RV203 (R-CH) to obtain the specified LINE OUT level.

Specification:

Tape	LINE OUT Level
CS-10	0.41 - 0.46 V (-5.5 to -4.5 dB)
CS-25, 30, 40	0.37 - 0.52 V (-6.5 to -3.5 dB)

Adjustment Location:

- record/playback board -



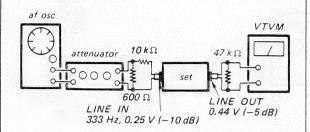
Level Meter Calibration

Setting:

REC LEVEL control: standard record (See page 13.)

Procedure:

1. Mode: record

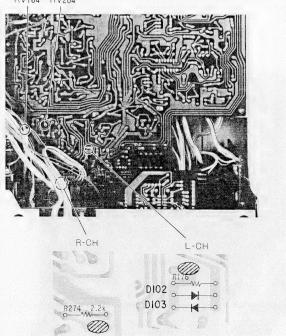


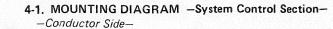
- 2. Just after the element at -2 dB (mark) turned off, adjust RV104 (L-CH) and RV204 (R-CH) so that the element at 0 VU (-4 dB)
- 3. Increase the LINE IN level to $+2 dB \pm 1 dB$. The right-most element at +8 dB should turn
- 4. Decrease the LINE IN level to -46 dB ±3 dB. The second element from the left end should turn off. If not even with a LINE IN level of -49 dB, bridge the patterns as follows.

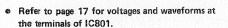
Adjustment Location:

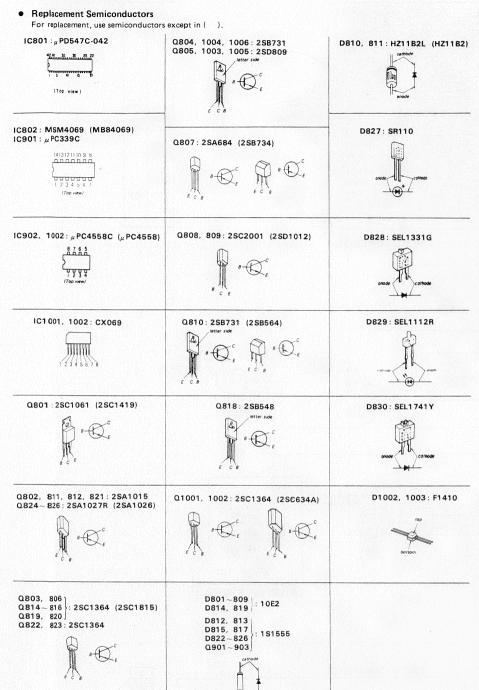
- record/playback board -

(L-CH) (R-CH) RV104 RV204









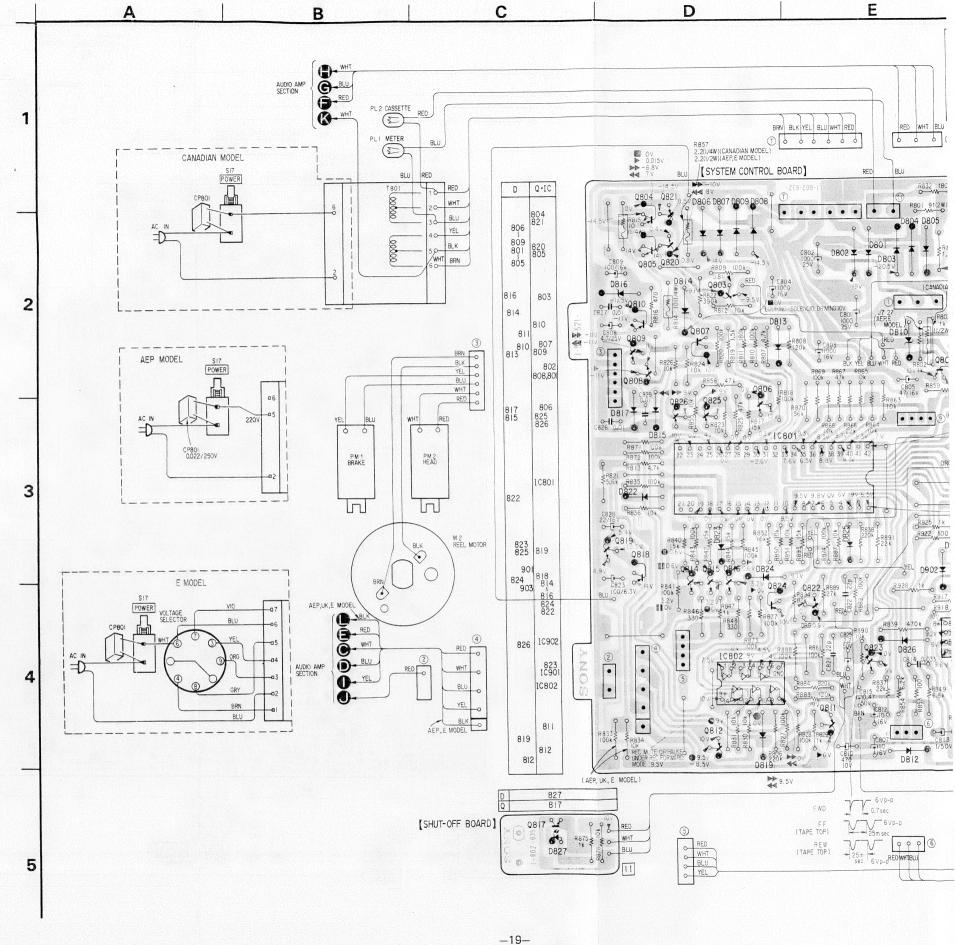


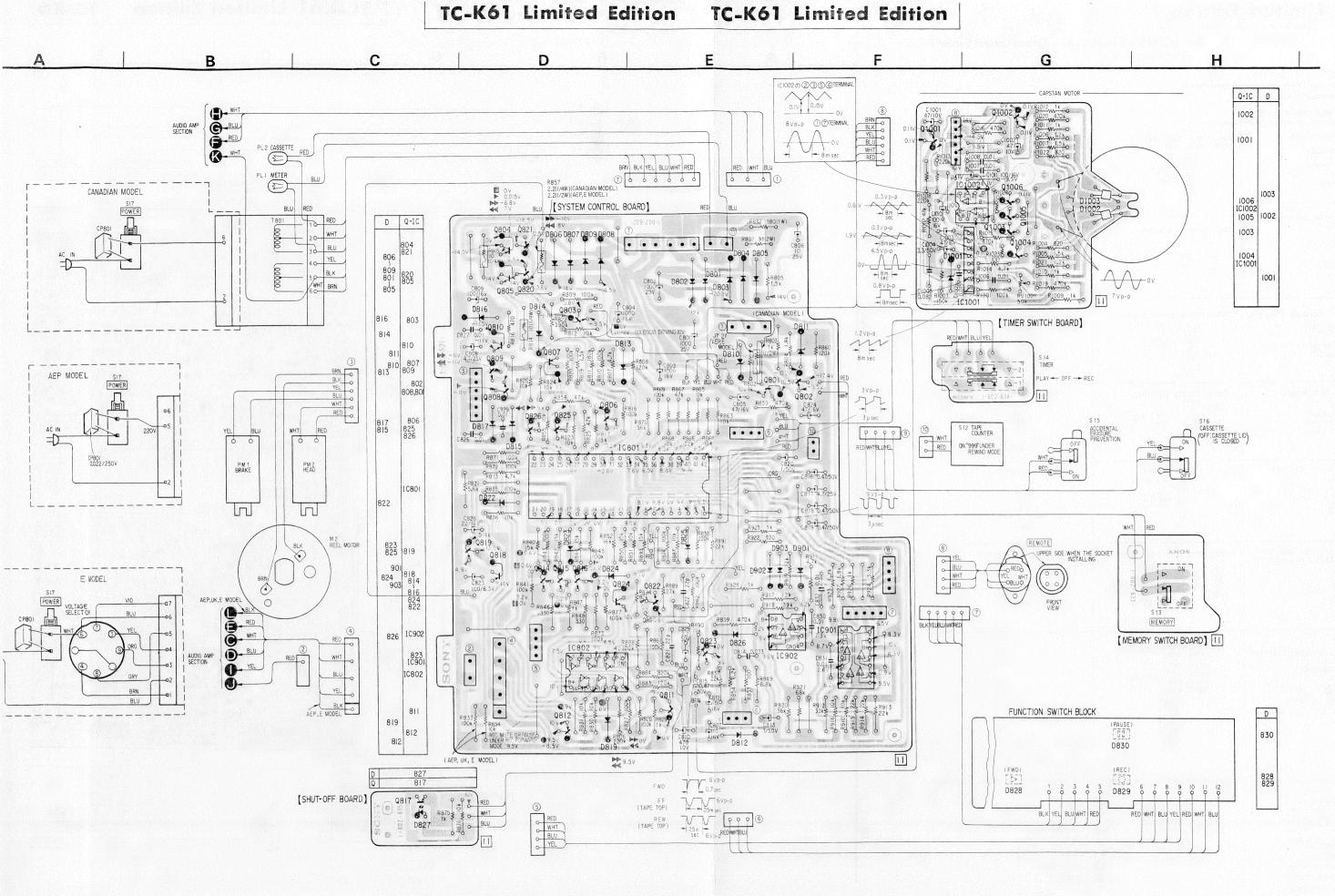
- (F): fusible resistor.
- B+ pattern
- e B- pattern
- Color code of sleeving over the end of the jacket. Readings are taken under no-signal conditions with a VOM (20 $k\Omega/V$).

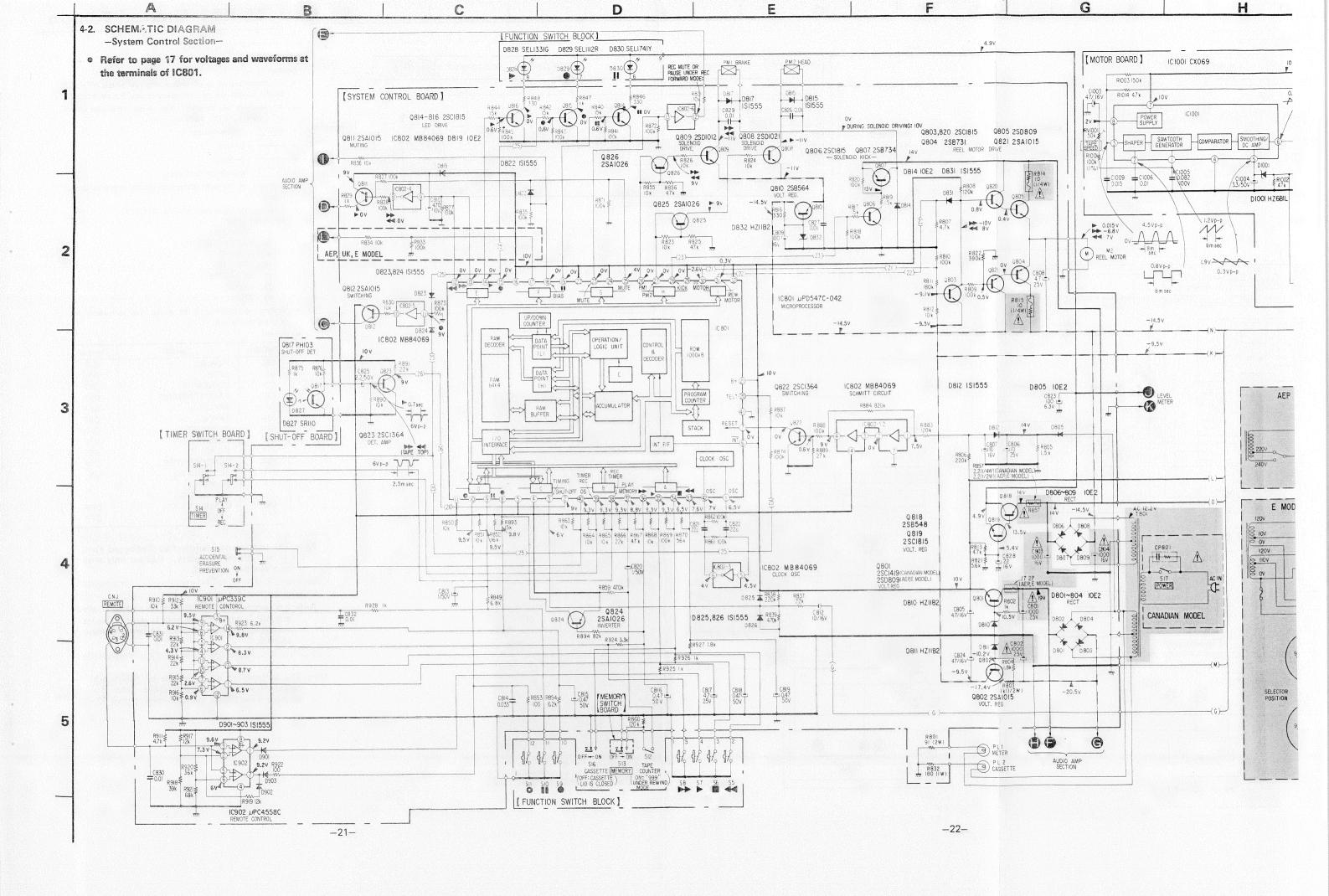
: Forward : Fast Forward : record

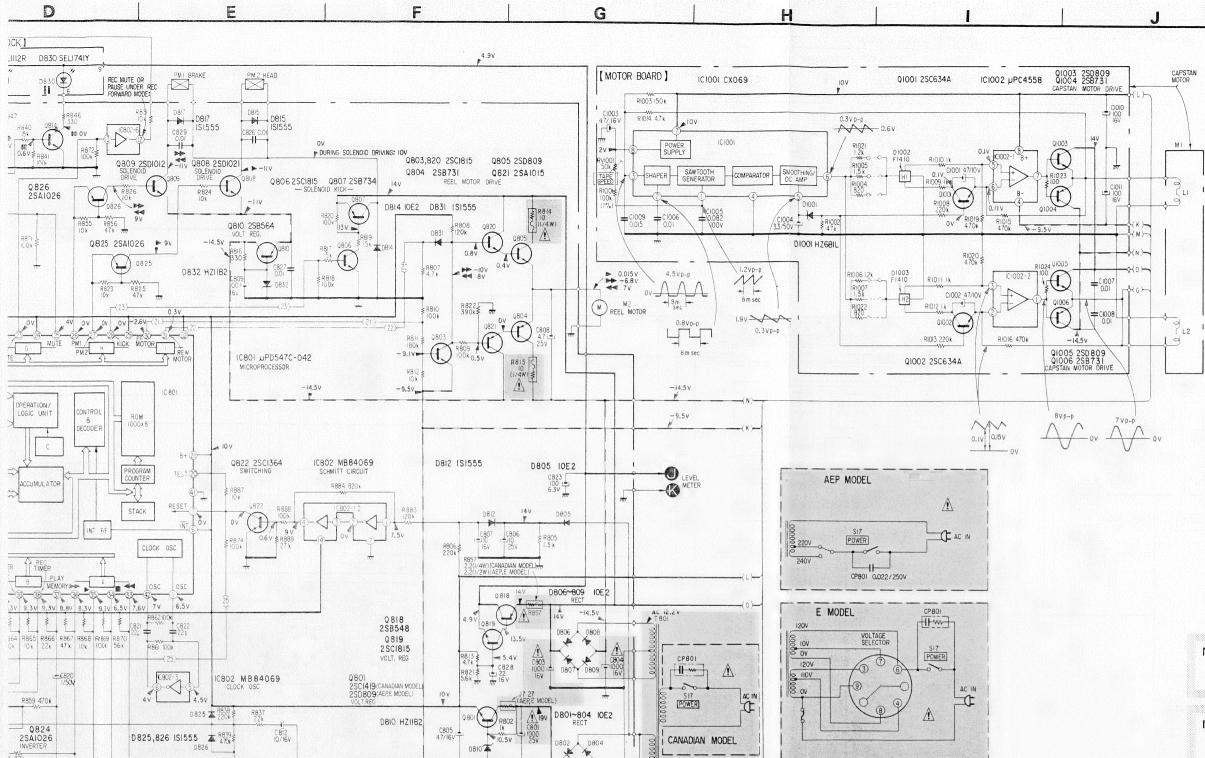
: pause : rec mute

-18-









To the

-20.5V

0

SELECTOR

D8II A C802

0802 R804

Q802 2SAI015

PL I METER PL 2 CASSETTE

No

- All capacitors are in μ F unless otherwise noted. pF = $\mu\mu$ F 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, ¼W unless otherwise noted. $k\Omega$: 1000 Ω , $M\Omega$ = 1000 $k\Omega$
- fusible resistor.
- : B+ bus.
- ---: B-bus.
- adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted
- \bullet Readings are taken with a VOM (20 k Ω /V).

no mark: STOP

- : FORWARD
- : FAST FORWARD
- : RECORD
- M : PAUSE
- : STOP
- Voltage variations may be noted due to normal production tolerances.
- Switch

Ref. No.	Switch	Position
S5	REWIND	OFF
S6	STOP	OFF
S7	FORWARD	OFF
S8	FAST FORWARD	OFF
S9	RECORD	OFF
S10	PAUSE	OFF
S11	REC MUTE	OFF
S12	TIMER	OFF
S13	MEMORY	OFF
S14	TAPE COUNTER	OFF
S15	ACCIDENTAL	ON
	ERASURE	
	PREVENTION	
S16	CASSETTE LID	OFF
S17	POWER	OFF

Note: Les composants identifiés par une trame et une marque A sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note: The voltages at the terminals of IC801 are measured with a VOM and differs from the voltages given beside the waveform on page 17.

D8II HZIIB2

₹ R925 ik

MEMORY

ON OFF ON

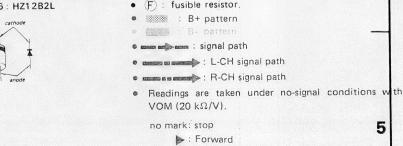
SIG SI3 ISSETTE MEMORY CASSETTE IS CLOSED (U

BLOCK]

202~204







-24-



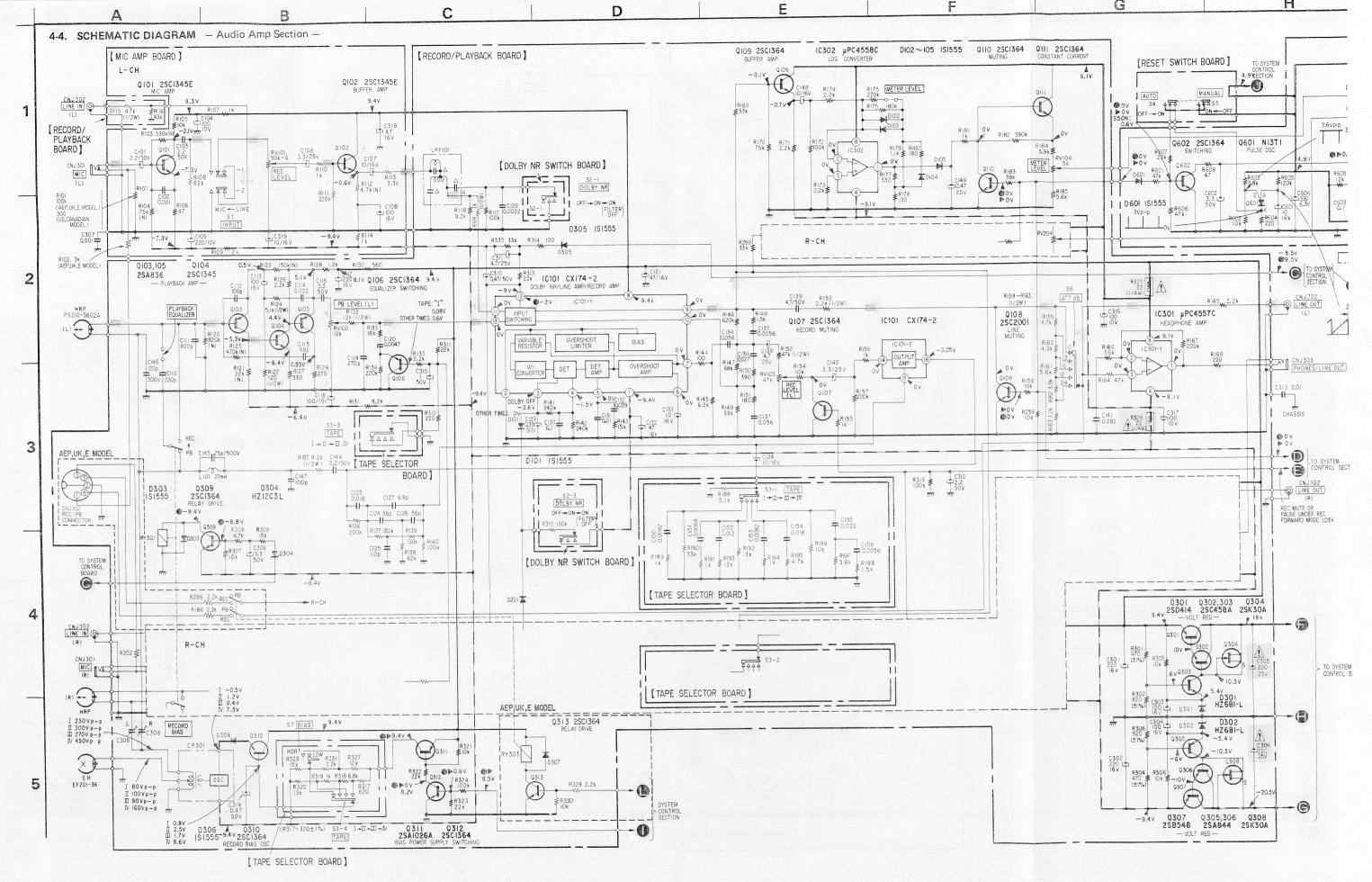
• AC voltage readings in the bias oscillator with a VTVM.

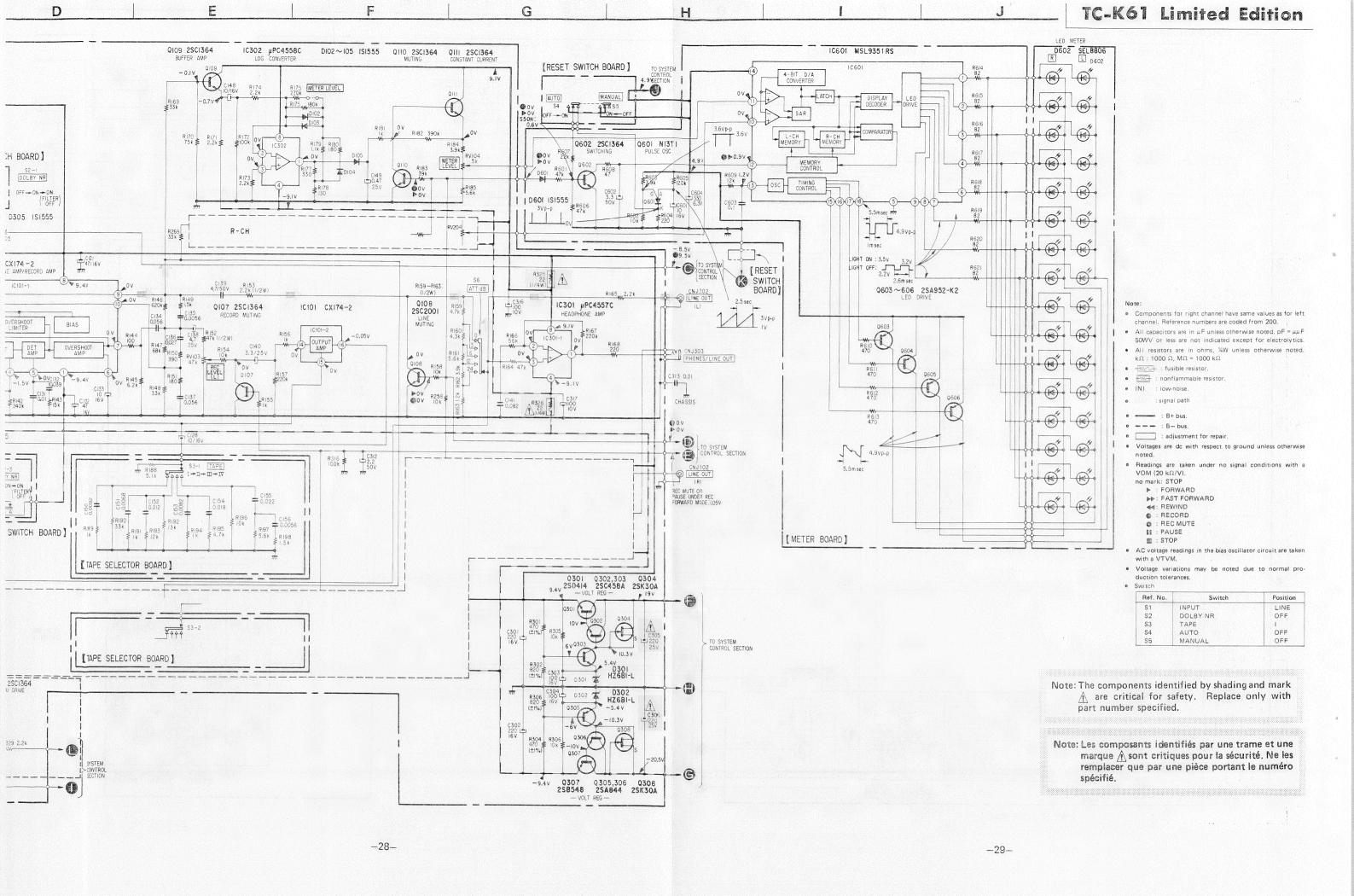
-25-

CNJ303 PHONES/ LINE OUT

0,01

S7 BIAS





E

ភ

X-3572-408-0

D

• A 3-701-510-00 Set Screw M4 x 4

3-566-128-21 Cover, top

3-701-510-00

0

4-847-802-00

♦ 3-566-119-00

Knob Ass'y, INPUT

Plate, bottom

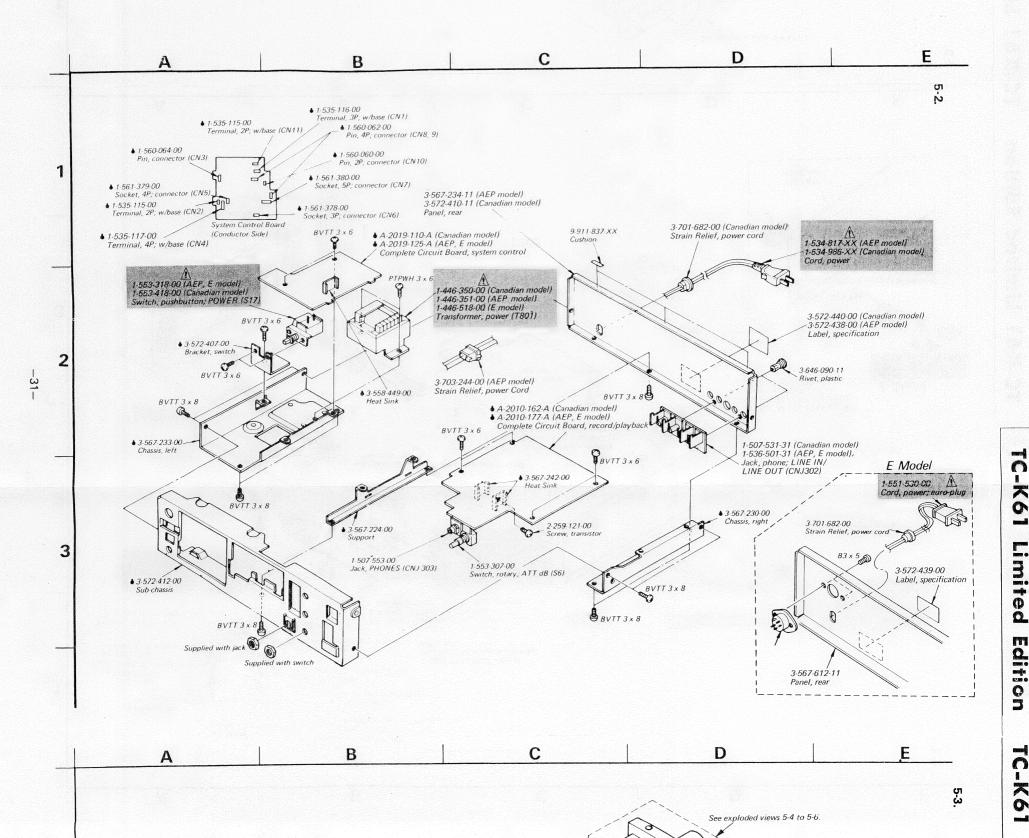
X-4861-312-0 Foot Ass'y

X-3566-103-2

BVTT 3 × 6

X-3572-401-3 Knob Ass'y, REC LEVEL (L) ; including part marked •A

X-3566-104-3 Knob Ass'y, REC LEVEL (R) ; including part marked ■A



C

DI

A CO

3-572-404-1 Knob, BIAS

3-572-406-21 Button, REC MUTE 3-572-405-51

3-572-405-41 Button, rewind, forward, fast forward, pause

X-3572-407-2

Knob Ass'y, MEMORY PEAK HOLD, RESET

Button, REC

BVTT 3 x 6 Om

spécifié.

♦ 3-572-408-00 Holder James

Lamp, cassette (PL 2)

1.518.340.71

3-572-418-11

■ Items marked "♣" are not stocked since they are seldom

cipated when ordering these items.

unless otherwise noted.

(-) = slotted head

X-3572-405-4 Panel Ass'y, front; including parts marked ▲A, B

3-566-121-31 Side Panel

X-3572-406-2

Lid Ass'y, cassette

1

2

3

-30-

All screws are Phillips (cross recess) type

required for routine service. Some delay should be anti-

4-847-802-00

X-3566-101-3 Rod Ass'y

3-566-122-21 Button, EJECT

BVTT 3 x 8

3-572-409-21 Button, STOP

▲B ,3-566-121-31 Side Panel

1-552-919-00

function (S5-11)

3-566-141-11 Knob, timer

3-572-415-00 Plate, ground

00

0

00

00

Note: The components identified by shading and mark

part number specified.

A are critical for safety. Replace only with

X-3572-404-4 Sub-panel Ass'y

BVTT 3 x 8

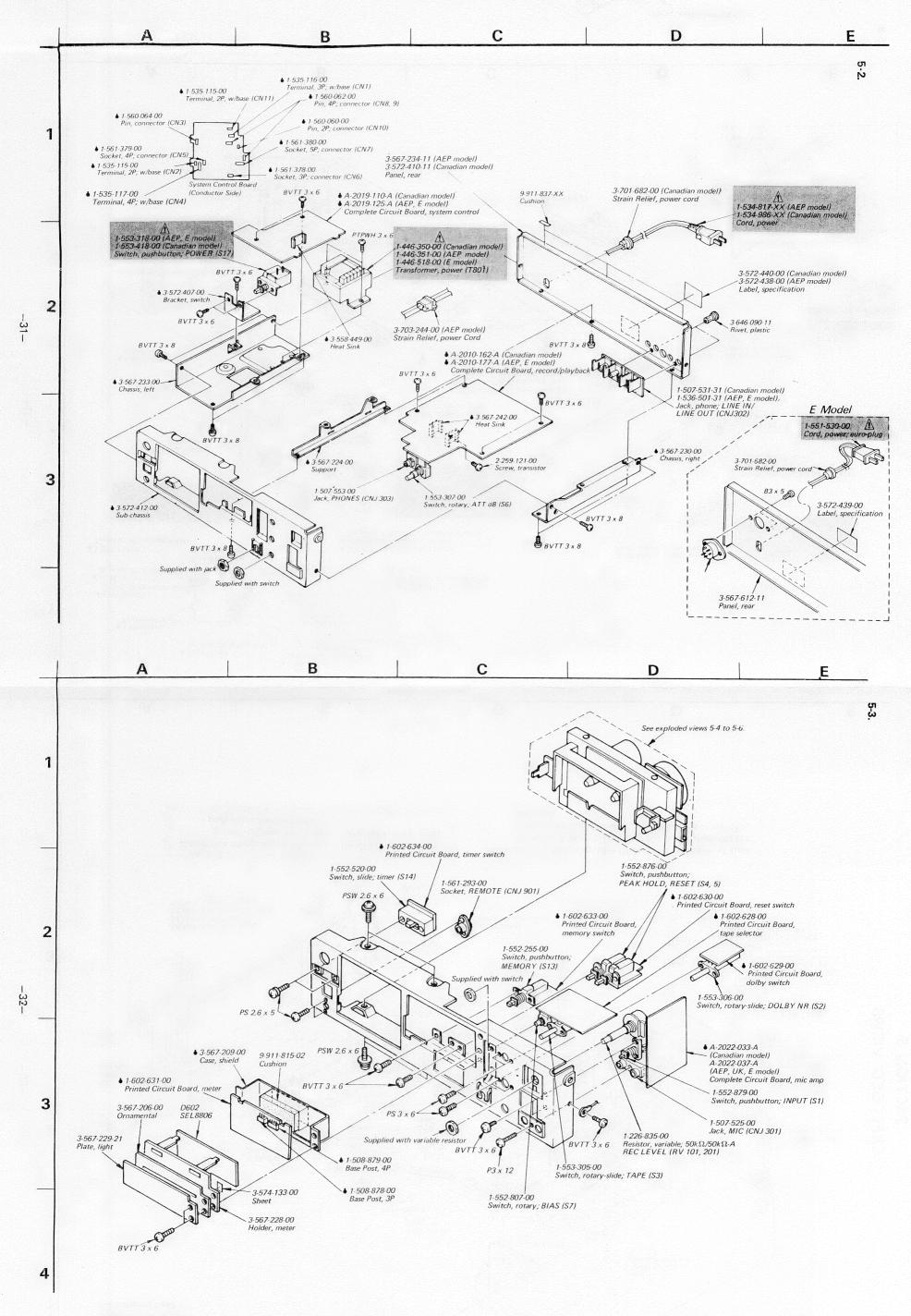
BVTT 3 x 8

3-572-441-01 (AEP model) 3-572-441-11 (E model) 3-572-441-21 (Canadian model) Emblem, Limited Edition

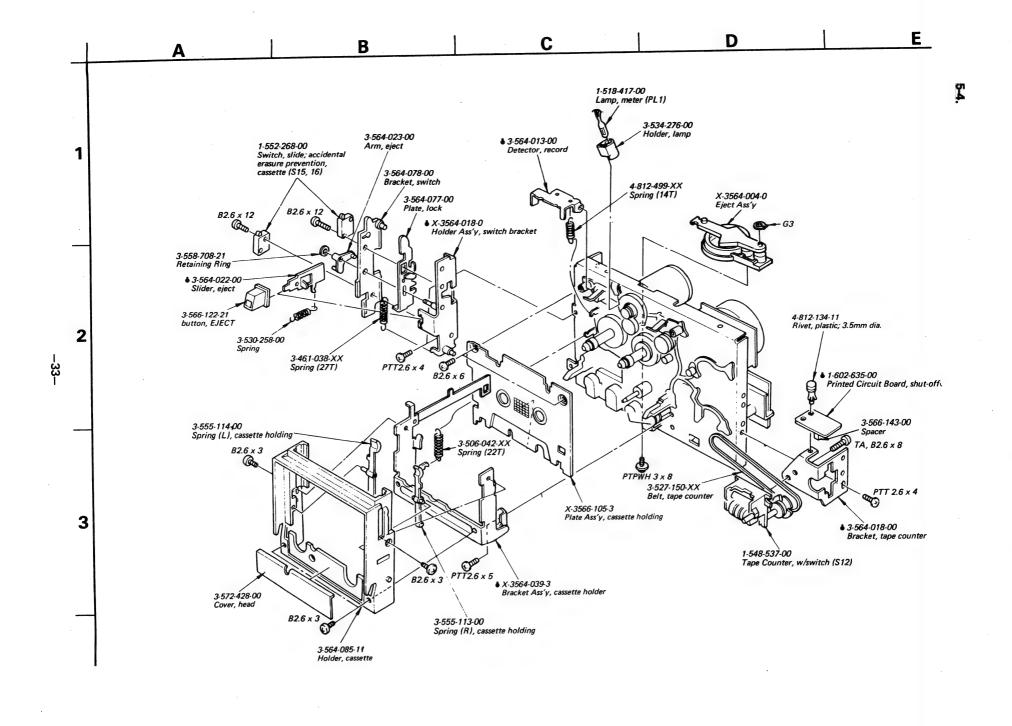
Om

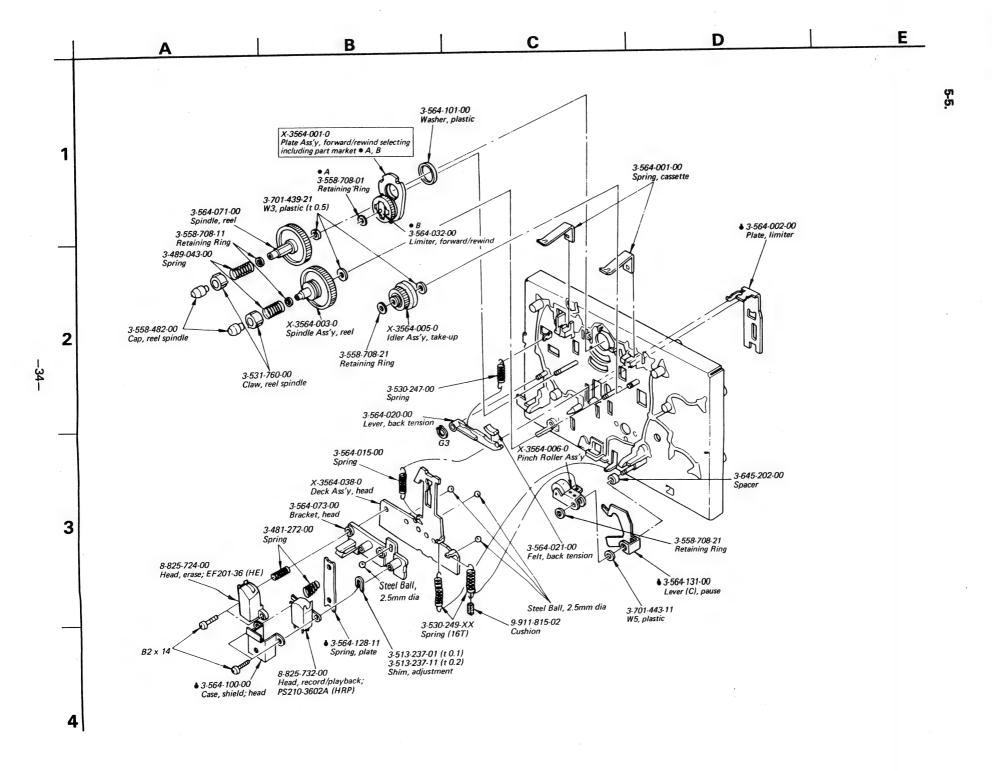
3-567-606-00 Guide, rod

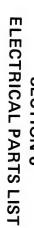
9-911-839-XX Cushion



Limited Edition







	Q818 8-7	Q817 8-7	Q814-816 8-7		812		, 809	Q807 8-7		0805 8-7				Q801 (8-7	_	Q602 8-7 Q603-606 8-7		Q313 8-7	Q312 8-7	Q311 8-7	Q309, 310 8-7	Q308 8-7		Q305, 306 8-7	Q304 8-	, 303		_	,	Q108, 208 8-	Q106, 107 Q206, 207) 8-		Q104, 204 8-		Q101, 102 0201 202) 8-				
	8-729-154-83	8-729-101-13	8-729-663-47		8-729-201-52	8-729-173-13	8-729-100-13	8-729-468-43	8-729-663-47	8-779-180-93	8-729-663-47	8-729-201-52		8-729-316-12	8-729-180-93	8-729-663-47 8-729-195-23	8-729-101-31	8-729-663-47	8-729-663-47	8-729-612-77	8-729-663-47	8-729-203-04	8-729-154-83	8-729-612-77	8-729-203-04	8-729-663-47	8-729-141-43	8-729-663-47		8-729-100-13	8-729-663-47	8-729-612-77	8-729-334-58	8_779_617_77	8-729-334-58		Transistors	SEMICONDUCTORS	
	2SB548	PH103	2SC1364		2SA1015	2SB731	2SC2001	2SA684	2SC1364	25B/31	2SC1364	2SA1015	model)	2SC1061 (Canadian	2SD809 (AEP, E model)	2SC1364 2SA952	N13T1	2SC1364 (AEP,	2SC1364	2SA1027R	2SC1364	2SK30A	2SB548	2SA1027R	2SK30A	2SC1364	2SD414	2SC1364		2SC2001	2SC1364	2SA1027R	2SC1345	26 1027B	2SC1345			ORS	
D817	D816	D815	D814	D812, 813		D810, 811	D801-809	D602	D601		D307	D305, 306	D304	D303	D301, 302	D101-105 D201-205			IC1002	IC1001	IC902	IC901	IC802	10801	IC601	IC302	IC301	IC101			Q1005 Q1006		Q1003 Q1004	Q1001,1002	Q824-826	Q822, 823	Q821	Q819, 820	
8-719-815-55	8-719-910-25	8-719-815-55	8-719-200-02	8-719-815-55		8-719-910-15	8-719-200-02	1-800-822-11	8-719-815-55	0 110 000	8-719-815-55	8-719-815-55	8-719-910-28	8-719-815-55	8-719-910-65	8-719-815-55			8-759-145-58	8-750-690-00	8-759-145-58	8-759-133-90	8-759-904-69	8-/59-14/42	8-759-993-51	8-759-145-58	8-759-145-58	8-759-101-74			8-729-180-93 8-729-173-13		8-729-173-13			8-729-663-47	8-729-201-52	8-729-663-47	
181555	HZ12B2L	181555	10E2	181555		HZ11B2L	10E2	SEL8806	1S1555	(AEP, E model)	181888	1S1555	HZ12C2L	181555	HZ6B2L	181555		Diodes	μPC4558C	CX069	μPC4558C	μPC339C	MSM4069	μ PD34/C-042	MSL9351	μPC4558C	μPC4558C	CX174	Ç	ICs	2SD809 2SB731		2SB731	250000	2SA1027R	2SC1364	25A1015	2SC1364	

Note: The components identified by shading and mark

A are critical for safety. Replace only with cipated when ordering these items. are critical for saft part number specified.

A

1-454-222-11 Solenoid, brake (PM 1)

1

2

3

4

-35-

B

3-564-008-00 Spring

3-564-006-00 Gear, pause

3-533-360-00 Belt (A), shut-off

X-3564-015-0 Motor Ass'y, reel (M2)

3-564-007-00 Lever (A), trigge

3-558-708-21 Retaining Ring

3-489-077-21 Screw, motor

3-564-017-00 Cushion, motor

♦ 3-564-016-00 Holder (A), motor

PTPWH 3 x 8

T

3-564-134-00 Bracket, thrust bearing

X-3564-047-1 Motor Ass'y, capstan; including part marked ● A (M1)

◆ A ♦ 1-600-393-00 Printed Circuit Board, sevo amp

PTPWH 3 x 8 💇

C

3-564-010-00 Arm, brake

3-530-257-00 Spring

PTPWH 3 x 8

X-3564-046-0 Flywheel Ass'y

3-558-734-00 Belt, capstan

9-911-841-XX Cushion

3-564-019-00

Bearing, thrust

3-701-438-21 W2.5, plastic (t 0.5)

3-564-074-00 Plate, brake

PS 2.6 x 5

3-564-012-00 Spring

X-3564-002-0 Arm Ass'y, pause

D

X-3564-016-0

PSW 2.6 x 5

4-847-035-00 Rubber, brake

3-531-541-00

3-564-004-00

3-558-708-21 Retaining Ring

3-559-454-00 Gear, limiter

3-558-708-21 Retaining Ring

3-564-008-11 Spring

3-564-070-00 Lever (B), trigger

3-558-708-21

Arm Ass'y, take-up, including part marked ▲ A

X-3564-007-0 Sleeve Ass'y

X-3564-020-0 Chassis Ass'y

1-454-222-21 Solenoid, head (PM 2)

PSW 2.6 x 5

3-564-009-00 Lever, trigger

3-558-708-21 Retaining Ring

3-530-257-00 Spring

E1.2

3-564-011-00 Spacer, brake

A 3-701-436-11 W1.6, plastic (t 0.25)

E

56.

Note: Les com marque _/ remplace spécifié. mposants identifiés par un**e** trame et une ≥ <u>M</u> sont critiques pour la sécurité. Ne les cer que par une pièce port ant le numéro

TC-K61 Limited Edition TC-K61 Limited Edition

Ref. No.	Part No.	Description
D819	8-719-200-02	10E2
D822-826	8-715-815-55	181555
D827	8-719-101-11	SR110
D828	8-719-313-31	SEL1331G
D829	8-719-311-12	SEL1112R
	0.510.215.41	SEL1741Y
D830	8-719-317-41	
	8-719-815-55	IS1555
D1001	8-719-910-65	HZ6B2L
D1002,1003	8-719-841-01	F1410
	CAPA	CITORS
All capac	citors are in μ F. Co	mmon capacitors are omitted
Refer to	the lists on pages	40 and 41 for their part nur
bers. e	lect: electrolytic	
C103, 203	1-123-230-00	2.2 50V elect (bipola
C144, 244		
	1-130-305-00	0.022 100V film
C116, 216	1-123-231-00	3.3 50V elect (bipola
C139, 239	1-123-232-00	4.7 50V elect (bipole
C305, 306	<u>1-121-422-00</u>	220 25V elect
C308	1-141-225-00	Trimmer, record bias
C601	1-121-651-00	10 16V elect
C801, 802	<u>1-121-657-00</u>	1000 25V elect
	1 -123-324-00	1000 16V elect
	030000000000000000000000000000000000000	
		ISTORS
All resis	tors are in ohms.	Common ¼W carbon resiste
		list on the last page for th
part nur	mbers.	
D115 215	1-244-913-00	47k ½W carbon
R115, 215	1-244-713-00	

1k ½W carbon

820k ½W carbon

120 ½W carbon

5.1k ½W carbon

470k ½W carbon

12k ½W carbon

47k ½W carbon

2.2k ½W carbon

10k ½W carbon

4.7k ½W carbon 4.3k ½W carbon

R119, 219 1-244-873-00 R120, 220 1-244-943-00

R122, 222 1-244-851-00

R124, 224 1-244-890-00

R125, 225 1-244-937-00

R132, 232 1-244-899-00

R152, 252 1-244-913-00 R153, 253 1-244-881-00

R154, 254 1-244-897-00

R159, 259 1-244-889-00

R160, 260 1-244-888-00

Ref. No.	Part No.	Descri	iption	
R161, 261	1-244-891-00	5.6k	½W	carbon
R161, 261	1-244-887-00	3.9k	½W	carbon
R162, 262	1-244-875-00	1.2k	½W	carbon
K105, 205	1 241 070 00			
R165, 265	1-244-881-00	2.2k	½W	carbon
R187, 287	1-244-895-00	8.2k	½W	carbon
R301, 304	1-214-721-00	470	1/4W	metal-oxide (1%)
R302, 303)	1-214-727-00	820	1/4W	metal-oxide (1%)
R317	1-214-727-00			
R318	1-214-749-00	6.8k	1/4W	metal-oxide (1%)
R319	1-214-729-00	1k	1/4W	metal-oxide (1%)
R320	1-214-756-00	13k	1/4W	metal-oxide (1%)
			1/11	c 71
R325, 326	1-212-865-00	22	1/4W	fusible metal-oxide
R801	1-206-486-00	91	2W	(nonflammable)
		11	1/37	
R803	1-244-873-00	1k	½W ¼W	Supplemental Company of the Company
	1-212-857-00	10 180	1W	
R832	1-213-134-00	100	1 11	(nonflammable)
	1 212 042 00	2.2	¹⁄₂W	
	1-212-942-00	2.2		AEP, E model)
R857 🛕	1-217-379-00	2.2	1/4W	fusible
	(1-217-373-00	2.2		Canadian model)
R1001	1-214-777-00	1001	c 1/4W	metal-oxide (1%)
	1 1-226-835-00	50k	50k-A	, variable; REC LEVEL
	2 1-224-645-XX			istable; playback level
	3 1-224-647-XX			istable; record level
RV104, 20	4 1-226-235-00			table; level meter
RV1001	1-224-661-00	50k	-B, adju	ıstable; tape speed
	MISCE	LLANE	ous	
CVA	1 1 525 116 00	т	minal (3P; w/base
CN1	♣ 1-535-116-00			2P; w/base
CN2	6 1-535-115-00		conne	
CN3	♦ 1-560-064-00			4P; w/base
CN4	• 1-333-117-00			model)
CIV4	♦ 1-535-118-00			5P; w/base
	■ 1-333-110-00		EP, E m	
CN5	1 -561-379-00			; connector
CNJ	2 1 301 377 00	530	, -	
CN6	1 -561-378-00	Soc	cket, 3I	e; connector
CN7	♦ 1-561-380-00			e; connector
CITT	50 4 0 4 5 5 5 5 5 5 5 5 5 5			

Ref. No.	Part No.	Description
CN8, 9	å 1-560 - 062-00	Pin, 4P; connector
	♦ 1-560-060-00	Pin, 2P; connector
CN11	♦ 1-535-115-00	Terminal, 2P; w/base
CN1001	♦ 1-56Ö-064-00	Pin, connector
CNJ301	1-507-525-00	Jack, MIC
	/1-507-531-31	Jack, phono, 4P; LINE IN/
		LINE OUT (Canadian model)
CNJ302	1-536-501-31	Jack, phono, 4P; LINE IN/
		LINE OUT (AEP, E model)
CNJ303	1-507-553-00	Jack, PHONES
CNJ901	1-561-293-00	Socket, REMOTE
CP301	1-464-110-00	Unit, bias osc
	/1-231-341-00	Encapsulated Component
σποο: Δ		(Canadian, E model)
CP801 ⚠	1-130-456-00	Capacitor, film; 0.022µF 250V
		(AEP model)
HE	8-825-724-00	Head, erase; EF201-36
HRP	8-825-732-00	Head, record/playback; PS210-3602.
J7	<u>↑</u> 1-212-867-00	Resistor, fusible 27Ω, ¼W
	~	(AEP, E model)
L101, 201	1-408-262-00	microinductor, 27mH
	1 1-231-388-00	Filter, low-pass
M1	X-3564-047-1	Motor Ass'y, capstan
M2	X-3564-015-0	Motor Ass'y, reel
PL1	1-518-417-00	Lamp, meter
PL2	1-518-340-71	Lamp, cassette
PM1	1-454-222-11	Solenoid, brake
PM2	1 454 222 21	
1 1/12	1-454-222-21	Solenoid, head
RY301	1-454-222-21	Solenoid, head Relay
RY301	1-515-323-00	Relay
RY301 RY303	1-515-323-00 1-515-297-00	Relay, reed (AEP, E model)
RY301 RY303	1-515-323-00 1-515-297-00 1-552-879-00	Relay Relay, reed (AEP, E model) Switch, pushbutton; INPUT Switch, rotary-slide; DOLBY NR Switch, rotary-slide; TAPE
RY301 RY303 S1 S2	1-515-323-00 1-515-297-00 1-552-879-00 1-553-306-00	Relay Relay, reed (AEP, E model) Switch, pushbutton; INPUT Switch, rotary-slide; DOLBY NR
RY301 RY303 S1 S2 S3	1-515-323-00 1-515-297-00 1-552-879-00 1-553-306-00 1-553-305-00	Relay Relay, reed (AEP, E model) Switch, pushbutton; INPUT Switch, rotary-slide; DOLBY NR Switch, rotary-slide; TAPE Switch, pushbutton; PEAK HOLD,
RY301 RY303 S1 S2 S3 S4, 5	1-515-323-00 1-515-297-00 1-552-879-00 1-553-306-00 1-553-305-00 1-552-876-00	Relay Relay, reed (AEP, E model) Switch, pushbutton; INPUT Switch, rotary-slide; DOLBY NR Switch, rotary-slide; TAPE Switch, pushbutton; PEAK HOLD, RESET
RY301 RY303 S1 S2 S3 S4, 5 S6	1-515-323-00 1-515-297-00 1-552-879-00 1-553-306-00 1-553-305-00 1-552-876-00	Relay Relay, reed (AEP, E model) Switch, pushbutton; INPUT Switch, rotary-slide; DOLBY NR Switch, rotary-slide; TAPE Switch, pushbutton; PEAK HOLD, RESET Switch, rotary; ATT dB
RY301 RY303 S1 S2 S3 S4, 5	1-515-323-00 1-515-297-00 1-552-879-00 1-553-306-00 1-553-305-00 1-552-876-00 1-552-807-00 1-552-919-00	Relay Relay, reed (AEP, E model) Switch, pushbutton; INPUT Switch, rotary-slide; DOLBY NR Switch, rotary-slide; TAPE Switch, pushbutton; PEAK HOLD, RESET Switch, rotary; ATT dB Switch, rotary; BIAS
RY301 RY303 S1 S2 S3 S4, 5 S6	1-515-323-00 1-515-297-00 1-552-879-00 1-553-306-00 1-553-305-00 1-552-876-00 1-553-307-00	Relay Relay, reed (AEP, E model) Switch, pushbutton; INPUT Switch, rotary-slide; DOLBY NR Switch, rotary-slide; TAPE Switch, pushbutton; PEAK HOLD, RESET Switch, rotary; ATT dB Switch, rotary; BIAS

Ref. No.	Part No.	Description
S13	1-552-255-00	Switch, pushbutton; MEMORY
S14	1-552-520-00	Switch, slide, timer
S15, 16	1-552-268-00	Switch, slide; accidental erasure prevention, cassette
	1-553-318-00	Switch, pushbutton; FOWER (AEP, E model)
S17 <u>/</u>	1-553-418-00	Switch, pushbutton; POWER (Canadian model)
	/1-446-350-00	Transformer, power (Canadian model)
T801 <u></u> ♠	1-446-351-00	Transformer, power (AEP model)
	1-446-518-00	Transformer, power (E model)
	1 -508-878-00	Base Post, 3P
	₫ 1-508-879-00	Base Post, 4P
	1-526-576-21	Voltage Selector (E model)
	1-534-817-XX	Cord, power (AEP model)
	<u> </u>	Cord, power (Canadian model)
	1-551-530-00	Cord, power; euro plug (E model)

Complete Circuit Boards

♣ A-2010-162-A	Record/playback	
	(Canadian model)	
♣ A-2010-177-A	Record/playback	
	(AEP, E model)	
å A-2019-110-A	System Control	
	(Canadian model)	
♣ A-2019-125-A	System Control	47 4 34
	(AEP, E model)	
♣ A-2022-033-A	Mic Amp (Canadian model)	
♣ A-2022-037-A	Mic Amp (AEP, E model)	

Printed Circuit Boards

1 -600-393-00	Servo Amp
1 -602-628-00	Tape Selector
1 -602-629-00	Dolby Switch
å 1-602-630-00	Reset Switch
1 -602-631-00	Meter
1 -602-633-00	Memory Switch
1 -602-634-00	Timer Switch
å 1-602-635-00	Shut-⊘ff

Part No.	Description
X-3701-105-0	Tip Ass'y, head cleaning
1-551-734-11	Cord, connecting; RK-74A
3-566-148-00	Cushion, upper; front
3-566-149-00	Cushion upper; back
3-566-150-00	Cushion, lower; right
3-566-151-00	Cushion, lower; left
3-572-442-00	Carton
3-701-630-00	Bag, plastic
3-783-351-11	Manual, instruction
3-795-035-12	(AEP model)
3-783-351-11	Manual, instruction (E model)
3-783-351-21	Manual, instruction
3-795-085-31 ⁾	(Canadian model)
3-793-828-11	Card, caution; cassette
4-860-421-00	Bag; plastic
	Tape (Fe-Cr 46)
	(Canadian model)

ELECTROLYTIC CAPACITORS

			RATING		→: Use the high volt	tage rated one.
	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.
CAP. (µF)	PART No.	PART No.				
0.47					→	1-121-726-00
1.0					→	1-121-391-00
2.2					→	1-121-450-00
3.3	→	→	→	1-121-392-00	-	1-121-393-00
4.7	→	→	→	1-121-395-00	→	1-121-396-00
10			1-121-651-00	1-121-398-00	→	1-121-738-00
22	→	-	1-121-479-00	1-121-480-00	1-121-662-00	1-121-152-00
33	→	→	1-121-403-00	1-121-404-00	1-121-652-00	1-121-405-00
47	→	1-121-352-00	1-121-409-00	1-121-410-00	1-121-653-00	1-121-411-00
100	→	1-121-414-00	1-121-415-00	1-121-416-00	1-121-357-00	1-121-417-00
220	1-121-419-00	1-121-420-00	1-121-421-00	1-121-422-00	1-121-261-00	1-121-423-00
330	1-121-751-00	1-121-805-00	1-121-521-00	1-121-654-00	1-121-655-00	1-121-656-00
470	1-121-424-00	1-121-425-00	1-121-426-00	1-121-733-00	1-121-361-00	1-121-810-00
1000	_	1-121-736-00	1-121-245-00	1-121-657-00	1-121-388-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-121-660-00	1-123-067-00	1-121-984-00	-
3300	1-121-661-00	1-123-075-00	1-123-071-00	_	-	-

/	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
CAP. (µF)	PART No.	PART No.	PART No.	PART No.
0.47	_	_	_	_
1.0	1-123-249-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-250-00	1-123-026-00	-	1-123-028-00
3.3	1-121-995-00	-	1-123-004-00	1-123-006-00
4.7	1-123-255-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-121-126-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-121-996-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-121-997-00	1-121-757-00	_	_
47	1-123-251-00	1-121-919-00	_	_
100	1-123-084-00	_	_	_

CERAMIC CAPACITORS

		RATING											
	50 VOLT.		50 VOLT.	04B (-E)	50 VOLT.	CAP. (µF)	50 VOLT.						
CAP. (pF)	PART No.	CAP. (pF)	PART No.	CAP. (pF)	PART No.	CAF. (µF)	PART No.						
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00						
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00						
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00						
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00						
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00						
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00						
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00						
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00						
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00						
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00						
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00						
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00						
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00						
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00						
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00						
13	1-102-950-00	. 91	1-102-972-00	680	1-102-116-00								
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00								
16	1-102-952-00	110	1-102-815-00										
18	1-102-953-00	120	1-102-816-00		0)								
20	1-102-958-00	130	1-101-081-00										

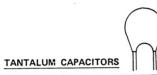
0.001μF = 1,000pF

CERAMIC (SEMICONDUCTOR) CAPACITORS

		RA	ATING →	: Use the high vol	tage rated one.
/	25 VOLT.	50 VOLT.	04D (UE)	25 VOLT.	50 VOLT.
CAP. (µF)	PART No.	PART No.	CAP. (µF)	PART No.	PART No.
0.001	→	1-161-039-00	0.018	1-161-016-00	1-161-054-00
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-0
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-0
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-0
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-0
0.0033	→	1-161-045-00	0.056	→	1-161-060-0
0.0039	-	1-161-046-00	0.068	→	1-161-061-0
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-0
0.0056	-	1-161-048-00	. 0.1	1-161-025-00	1-161-063-0
0.0068	→	1-161-049-00			
0.0082	1-161-012-00	1-161-050-00			
0.01	1-161-013-00	1-161-051-00			
0.012	→	1-161-052-00	1		
0.015	1-161-015-00	1-161-053-00			

MYLAR CAPACITORS

	RATING											
	50 VOLT.	100 VOLT.	200 VOLT.		50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.	
CAP. (µF)		PART No.	PART No.	CAP. (µF)	PART No.	PART No.	PART No.	CAP. (µF)	PART No.	PART No.	PART No.	
0.001	1-108-227-00		1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00	
0.001			1-108-410-00				1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00	
0.0012			1-108-411-00				1-108-423-00		1-108-252-00	1-108-391-00	1-108-435-00	
0.0013			1-108-412-00				1-108-424-00		1-108-364-00	1-108-392-00	1-108-436-00	
0.0018			1-108-413-00		1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00	
0.0027			1-108-414-00		1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00		-	
0.0033			1-108-415-00		1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00	l .	-	
0.0039			1-108-416-00		1-108-360-00	1-108-384-00	1-108-428-00		1-108-856-00	1	-	
0.0047			1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00	-	_	
0.0056			1-108-418-00	0.056			1-108-430-00				-	
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068			1-108-431-00					
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00					



RATING →: Use the high voltage rated one.										
	3.15 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	25 VOLT.	35 VOLT.			
CAP. (µF)	PART No.									
0.01					-	→	1-131-396-00			
0.015						→	1-131-397-00			
0.013						→	1-131-398-00			
0.022						→	1-131-399-00			
0.033				ì		→	1-131-400-00			
0.047					→	→	1-131-401-00			
0.000					→	→	1-131-402-00			
0.15					→	→	1-131-403-00			
0.13					→	-	1-131-404-00			
0.33			}		→	1-131-409-00	1-131-405-00			
0.33	_				1-131-412-00	-	1-131-406-00			
0.68		_	_	1-131-415-00	-	1-131-410-00	1-131-407-00			
1.0		_	1-131-418-00	_	1-131-413-00	→	1-131-408-00			
1.5		1-131-421-00	-	1-131-416-00	-	1-131-411-00	1-131-348-00			
2.2	1-131-424-00	-131-421-00	1-131-419-00	_	1-131-414-00	1-131-355-00	1-131-349-00			
3.3	1-131-424-00	1-131-422-00	-	1-131-417-00	1-131-362-00	1-131-356-00	1-131-350-00			
4.7	1-131-425-00	_	1-131-420-00	1-131-369-00	1-131-363-00	1-131-357-00	1-131-351-00			
6.8	-	1-131-423-00	1-131-376-00	1-131-370-00	1-131-364-00	1-131-358-00	1-131-352-00			
10	1-131-426-00	1-131-383-00	1-131-377-00	1-131-371-00	1-131-365-00	1-131-359-00	1-131-353-00			
15	1-131-390-00	1-131-384-00	1-131-378-00	1-131-372-00	1-131-366-00	1-131-360-00	_			
22	1-131-391-00	1-131-385-00	1-131-379-00	1-131-373-00	1-131-367-00					
33	1-131-392-00	1-131-386-00	1-131-380-00	1-131-374-00						
47	1-131-393-00	1-131-387-00	1-131-381-00	_						
68	1-131-394-00	1-131-388-00	_	_						
100	1-131-395-00	_	_	_						

TANTALUM CA	RATIN 3 VOLT 63 VOLT 10 VOLT.					
		RATIN				
3 VOLT.	6.3 VOLT.	10 VOLT.				

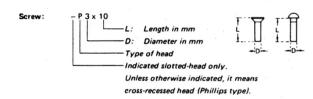
			RATING			
	3 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	35 VOLT.
CAP. (µF)	PART No.					
0.033						1-131-273-00
0.033						1-131-274-00
0.047						1-131-275-00
0.008						1-131-276-00
0.15						1-131-277-00
0.13			_		1-131-262-00	1-131-278-00
0.22			_	_	1-131-263-00	1-131-279-00
0.33			1-131-169-00	_	1-131-264-00	1-131-280-00
0.68			_	1-131-258-00	1-131-265-00	1-131-281-00
1.0			1-131-254-00	_	1-131-266-00	1-131-282-00
1.5		1-131-250-00		_	1-131-267-00	1-131-283-00
2.2		_	_	1-131-259-00	1-131-268-00	1-131-284-00
3.3		_	1-131-255-00		1-131-269-00	-
4.7		1-131-251-00	1-131-171-00	-	1-131-270-00	-
6.8		_	_	1-131-260-00	1-131-271-00	
10	-		1-131-256-00	-	1-131-272-00	
15	_	1-131-252-00	_	1-131-261-00		
22	_	_	1-131-257-00	. –		
33	1-131-176-00	1-131-253-00	1-131-173-00	_		
47	1-131-288-00	1-131-174-00	-	_		
100	1-131-177-00					

IC-K61 Limited Edition

1/4 WATT CARBON RESISTORS

Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
	1 040 401 00	10											
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k		10k	1-246-497-00	100k	1-246-521-00		1-246-545-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k		11k	1-246-498-00	110k	1-246-522-00	1	1-210-814-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00	1.2M	1-210-815-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-576-00	13k	1-246-500-00	130k	1-246-524-00	1.3M	1-210-816-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-577-00	15k	1-246-501-00	150k	1-246-525-00	1.5M	1-210-817-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-578-00	16k	1-246-502-00	160k	1-246-526-00	1.6M	1-210-818-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-579-00	18k	1-246-503-00	180k	1-246-527-00		1-210-819-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-580-00	20k	1-246-504-00	200k	1-246-528-00		1-210-820-00
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-581-00	22k	1-246-505-00	220k	1-246-529-00		1-210-821-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-582-00	24k	1-246-506-00	240k	1-246-530-00	2.4M	1-244-754-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-583-00	.27k	1-246-507-00	270k	1-246-531-00	2.7M	1-244-755-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-584-00	30k	1-246-508-00	300k	1-246-532-00	3.0M	1-244-756-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-585-00	33k	1-246-509-00	330k	1-246-533-00	3.3M	1-244-757-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-586-00	36k	1-246-510-00	360k	1-246-534-00	3.6M	1-244-758-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-587-00	39k	1-246-511-00	390k	1-246-535-00	3.9M	1-244-759-00
4.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00	4.3M	1-244-760-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00	4.7M	1-244-761-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00	5.1M	1-244-762-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00		
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00		
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00		
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00		
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00		
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00		
					1 210 112 00	J.1K	2.0 100 00	JIK	1 240 320 00	310K	1 240 344 00		

HARDWARE NOMENCLATURE



Reference Designation	Shape	Description	Remarks
		SCREWS	
Р	₽	pan-head screw	binding-head (B) screw for replacement
PWH	(pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP	% 29-	pan-head screw with spring washer	binding-head (B) screw and spring washer for replace- ment
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R	(3	round-head screw	binding-head (B) screw for replacement
К	Þ	flat-countersunk-head screw	
RK	Ð	oval-countersunk-head screw	
В	þ	binding-head screw	
Т	Þ	truss-head screw	binding-head (B) screw for replacement
F	₽3	flat-fillister-head screw	
RF	€⊒•	fillister-head screw	
BV	(D)	braizer-head screw	

Nut, Washer, Retaining ring:	
	r of usable screw or shaft ce designation

Reference Designation	Shape	Description	Remarks
	****	SELF-TAPPING SCRE	ws
TA	(H)	self-tapping screw	ex: TA, P 3 x 10
PTP	₩	pan-head self-tapping screw	binding-head self- tapping (TA, B) screw for replacement
PTPWH	₩	pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH	6	pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
		SET SCREWS	
SC	-	set screw	
sc	-⊚€:3-	hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
		NUT	
N	-0-0-	nut	
		WASHERS	
w	0	flat washer	
sw		spring washer	
LW	0	internal-tooth lock washer	ex: LW3, internal
LW	0	external-tooth lock washer	ex: LW3, external
		RETAINING RINGS	
E	6	retaining ring	
G	n	grip-type retaining ring	

Sony Corporation

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